

Claims

1. A ceramic heater-type glow plug comprising:
a ceramic heater;;
a metallic outer sleeve one end portion of which holds the ceramic heater and the other end portion of which is fixed in an inner hole of a housing;
an electrode lead-out member which is connected to one electrode of the ceramic heater in the inside of the metallic outer sleeve; and
an insulating material which is filled in the metallic outer sleeve as a sealing material, wherein
a granulated powder made of an inorganic insulating material is filled around a connecting portion of the ceramic heater and the electrode lead-out member.
2. A ceramic heater-type glow plug according to claim 1, wherein a small-diameter portion is formed on an end portion of the ceramic heater which is positioned outside the metallic outer sleeve, and the electrode of the ceramic heater and the electrode lead-out member are connected to each other on the small-diameter portion.
3. A ceramic heater-type glow plug according to claim 1 or claim 2, wherein the granulated powder is formed of a granulated material made of fine powder with primary particles having a particle size of 5 μ m or less.
4. A ceramic heater-type glow plug according to any one of

claims 1 to 3, wherein a particle size of the granulated material is from 30 to 200 μ m.

5. A ceramic heater-type glow plug according to claim 1, wherein the insulating material filled in the inside of the metallic outer sleeve is a heat-resistant insulating powder which is brought into a highly dense state by swaging after being filled.